ABSTRACT OF THE DISCLOSURE

The present invention relates to a method for enabling a magnetic recording medium such as a digital video cassette tape of a digital video tape recorder to be used as an auxiliary storage device of a personal computer (PC) which communicates through a digital communication line. When a PC interacts through a digital communication line requests to record data, a digital video tape recorder searches for a recordable location of the tape, records data streams received through the digital interface from the recordable location wherein the data streams have been converted from the data of a file selected in the PC, and creates tape management information regarding the data streams recorded. When the PC requests to retrieve data as specifying a file, the video tape recorder reproduces the tape management information recorded in the tape, identifies a recording location of the specified file based upon the reproduced tape management information, searches for the identified location in the tape, reproduces recorded data from the identified location, converts the reproduced data into transport streams, and transmits them to the PC. These methods enable a digital video tape of mass storage, whose price is much lower than a computer memory, to be used an auxiliary storage device of a PC, thereby satisfying the increasing need for larger storage capacity for multimedia files.